



Adopt Resolution Approving the Purchase of Padmount Transformers from Pacific **AGENDA TITLE:**

Utilities of Pleasant Hill, CA (\$58,361.77) (EUD)

MEETING DATE: June 2,2010

PREPARED B Y Interim Electric Utility Director

RECOMMENDED ACTION: Adopt a resolution approving the purchase of padmount

transformers from Pacific Utilities of Pleasant Hill, CA (\$58,361.77).

BACKGROUND INFORMATION: On February 17,2010, the City Council authorized the

advertisement for bids for padmount transformers.

On April 21, 2010, bids were opened for padmount transformers. Four suppliers submitted bid proposals. Life-cycle costs (total purchase price plus cost of estimated power loss during the projected life of the transformer) for responsive bids were evaluated. Pacific Utilities of Pleasant Hill, showed the lowest lifecycle cost total for all advertised padmount transformers. A summary of the bid evaluation is attached to this Council Communication.

12 each 37.5kVA, I-Phase	240/120V	Pacific Utilities	\$17,395.65
9 each 50kVA, I-Phase	240/120V	Pacific Utilities	\$15,111.90
1 each 75kVA, I-Phase	240/120V	Pacific Utilities	\$ 1,904.21
4 each 75kVA, 3-Phase	208Y/120V	Pacific Utilities	\$18,631.05
1 each 112.5kVA, 3-Phase	480Y/277V	Pacific Utilities	\$ 5,318.96
1 each 167kVA, I-Phase	240/120V	All Bidders	<u>*Rejected</u>
			<u>\$58,361.77</u>

^{*}The 167kVA 1-Phase 240/120V transformer was rejected because all bidders provided the primary voltage of the transformer as delta instead of wye.

FISCAL IMPACT: Purchase price is \$58,361.77. Life-cycle cost is \$85,548.03.

FUNDING AVAILABLE: Included in FY Budget 2009-10 Account No. 160651.7711.

Kenneth A. Weisel, P.E Interim Electric Utility Director

Demy Bucaneg, Jr. -PE, Assistant Electric Utility Director **PREPARED B Y** Weldat Haile -PE. Senior Power Engineer

APPROVED: Konradt Bartlam, Interim City Manager

RESOLUTION NO. 2010-82

A RESOLUTION OF THE LODI CITY COUNCIL APPROVING THE PURCHASE OF PADMOUNT TRANSFORMERS

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on April 21, 2010, at 11:00 a.m. for the purchase of padmount transformers for the Electric Utility Department, described in the specifications therefor approved by the City Council on February 17, 2010; and

WHEREAS, said bids have been compared as to life-cycle costs, checked, and tabulated and a report thereof filed with the City Manager as shown on Exhibit A attached.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby approve the purchase of padmount transformers as follows:

12 each 37.5kVA, I-Phase	240/120V	Pacific Utilities	\$17,395.65
9 each 50kVA, I-Phase	240/120V	Pacific Utilities	\$15,111.90
1 each 75kVA, I-Phase	240/120V	Pacific Utilities	\$ 1,904.21
4 each 75kVA, 3-Phase	208Y/120V	Pacific Utilities	\$18,631.05
1 each 112.5kVA, 3-Phase	480Y/277V	Pacific Utilities	\$ 5,318.96

Total \$58,361.77

to Pacific Utilities, of Pleasant Hill, CA, in the amount of \$58,361.77; and

BE IT FURTHER RESOLVED that the Lodi City Council does hereby reject all bids for the 167kVA I-Phase 240/120V transformer.

Dated: June 2, 2010

I hereby certify that Resolution No. 2010-82 was passed and adopted by the City Council of the City of Lodi in a regular meeting held June 2, 2010, by the following vote:

AYES: COUNCIL MEMBERS - Hitchcock, Hansen, Johnson, Mounce, and

Mayor Katzakian

NOES: COUNCIL MEMBERS - None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS - None

RANDI JOHL City Clerk

Transformer Bid Evaluation ——					Bid	Opening	Aprîl 21 , 20101					
Padmount						opening.,		10- 0-				
aumount				Tax (factor):; Loss \$/wan:!	1.0875 1 3.75	3	Primary		Three-Phase, 12 Single-Phase, 12			
April 26, 2010		<u> </u>		Loss \$/watt:	1.25				Single-Phase, 1.	2000 GIO. VI	ryerossu vp	i, OUFIZ
7,011,20,2010			Load	LOSS WITEKLI	1.20					1	•	
Bid Item 1: 37.5 kVA, 2401120 Volt, Single Ph	ase Pad					Nu	mberof units::	12		1	65	>1.5
Vendor	Unit	Extended	Price I	No Load	Load	No Load	Load	Cost of	Life Cycle	Delivery	Heighl	•
Veridoi	Price \$	Price \$					Loss value		Cost \$	(weeks)	(inches)	%
<u> </u>	TIRC Ψ :	i noc u	WICK #	coss (watts)	LOSS (Watts),	LOSS VAIGO ;	LUGG VAIGC	E03303 W	000.0	(WCCR3) :	(inches)	
lees Enterprises, Inc. (Ermco Transformers)	1,408.00	16,896.00	18,374.40	82	411	3,690.00	6,165.00	9,855.00;	28,229.401	8	28	2.000
loward Industries. Inc.		17,520.00	19,053.00		430	3,645.00	6,450.00	10,095.00	29,148.00	6-8	24i	2.700
ID Supply Utilities Ltd. (Cooper Power System,	1,408.00	16,896.00	18,374.40	88	- 420	3,960.00	6,300.00	10,260.00	28,634.40	8	24	1.900
Pacific Utilities (ABB Transformers)		15,996.00	17,395.65	79	377		5,655.00	9,210.00	26,605.65	8-10	24	1,740
<u>. </u>		<u> </u>	}									
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Bid Item 2: 50 kVA, 2401120 Volt, Single Pha	se Pad,			[Nı	ımberof units:;	9	<u>'</u>			
Vendor	Unit	Extended	Price	No Load	Load	No Load .	Load	Cost of	Life Cycle	Delivery	Heighl	mpedance
	Price \$	Price \$		Loss (watts)			Loss value	Losses \$	Cost \$	(weeks)	(inches)	%
											(
lees Enterprises, Inc. (Ermco Transformers)	1,575.00	14,175.00	15,415.31	100	517	3,375.00	5,816.25	9,191.25	24,606.56	8	28	2.100
loward Industries, Inc.	1,727.00		16,903.01	99	555	3,341.25	6,243.75	9,585.00	26,488.01	6-8	24	2.800
D Supply Utilities Ltd. (Cooper Power System)	1,652.00		16,168.95	104	512	3,510.00	5,760.00	9,270.00	25,438.95	8	24	2.070
Pacific Utilities (ABB Transformers)	1,544.00		15,111.90		410	3,611.25	4,612.50	8,223.75	23,335.65	10-Aug	24	1.940
Bid Item 3 75 kVA, 2401120 Volt, Single Pha	se Pad,					Nu	umberof units:	1			651	>1.8
Vendor	Unit	Extended	Price	No Load	Load	No Load	Load	Cost of	Life Cycle	Delivery	~	Impedance
	Price \$	Price \$	w/tax \$	Loss (watts)	Loss (watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	(inches)	%
lees Enterprises.inc. (Ermco Fransformers)	1,990.00	1,990.00	2,164.13	1 41	706	528.75	882,50	1,411.25	3,575.38	8	281	2.100 3.100
loward Industries. Inc.	2,999.00		3,261.41		710						24	3.100
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D Supply Utilities Ltd. (Cooper Power System)			2,178.26		661			1,358.75	*			1,950
Pacific Utilities (ABB Transformers)	1,751.00	1.751.00	1,904.21	113	7731	423.75	966,25	1,390.00	3,294.21	8-10	24'	2.140
		;						<i>x</i>			65	>1.8
Bid Item 4: 75 kVA, 208Y/120 Volt, Three Pha	ıse Pad					Nı	umber of units:	4	1			
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3id Item 4: 75 kVA, 208Y/120 Volt, Three Pha Vendor	Unit 4	Extended Price S	Price w/tax \$	No Load		No Load	Load	Cost of	Life Cycle Cost S	Delivery		Impedance %
Vendor	Unit +	Price \$	w/tax\$	Loss (watts)	Loss (watts);	No Load Loss value	Load Loss value	Cost of Losses\$	Cost S	(weeks)	(inches)	%
Vendor Hees Enterprises, Inc.(Ermco Transformers)	Unit 4 Price\$ 4,775.00	Price \$ 19,100.00	w/tax \$	Loss (watts)	Loss (watts);	No Load Loss value	Load Loss value 5,665.00	Cost of Losses\$	Cost S 28,626.25	(weeks)	(inches)	%
Vendor Hees Enterprises, Inc.(Ermco Transformers)	Unit 4 Price \$ 4,775.00 4,053.00	Price \$ 19,100.00 16.212.00	w/tax \$ 20,771.25	Loss (watts) 146	Loss (watts);	No Load Loss value 2,190 00	Load Loss value 5,665.00 4,920.00	Cost of Losses\$ 7,855.00 7,575.00	28,626.25 25,205.55	(weeks) 8 6-8	(inches)	2.200
Vendor dees Enterprises, Inc.(Ermco Transformers) doward Industries.Inc. D Supply Utilities Ltd. (Cooper Power System	Unit 4 Price \$ 4,775.00 4,053.00 5,431.00	Price \$ 19,100.00	w/tax \$	146 177 182	1133	No Load Loss value 2,190 00	Load Loss value 5,665.00 4,920.00 4 870.00	Cost of Losses\$ 7,855.00 7,575.00 7,600.00	28,626.25 25,205.55 31,224.85	(weeks) 8 6-8 8	(inches) 49 45 50	2.200 2.300 3.420
Vendor dees Enterprises, Inc.(Ermco Transformers) doward Industries.Inc. D Supply Utilities Ltd. (Cooper Power System	Unit 4 Price \$ 4,775.00 4,053.00 5,431.00	19,100.00 16,212.00 21,724.00	w/tax \$ 20,771.25 17,630.55 23,624.85	146 177 182	1133	No Load Loss value 2,190 00	Load Loss value 5,665.00 4,920.00 4 870.00	Cost of Losses\$ 7,855.00 7,575.00 7,600.00	28,626.25 25,205.55 31,224.85	(weeks) 8 6-8 8	(inches) 49 45 50	2.200 2.300 3.420
Vendor Hees Enterprises, Inc. (Ermco Transformers) Howard Industries. Inc. HD Supply Utilities Ltd. (Cooper Power System	Unit 4 Price \$ 4,775.00 4,053.00 5,431.00	19,100.00 16,212.00 21,724.00	w/tax \$ 20,771.25 17,630.55 23,624.85	146 177 182	1133	No Load Loss value 2,190 00	Load Loss value 5,665.00 4,920.00 4,870.00 3,105.00	Cost of Losses\$ 7,855.00 7,575.00 7,600.00	28,626.25 25,205.55 31,224.85	(weeks) 8 6-8 8	(inches) 49 45 50 48	2.200 2.300 3.420 3.120
Vendor Vendor Hees Enterprises, Inc.(Ermco Transformers) Howard Industries.Inc. HD Supply Utilities Ltd. (Cooper Power System Pacific Utilities (ABB Transformers) Bid Item 5: 112.5 kVA, 480Y/277 Volt, Three	Unit 4 Price \$ 4,775.00 4,053.00 5,431.00 4,283.00	19,100.00 16,212.00 21,724.00	w/tax \$ 20,771.25 17,630.55 23,624.85	146 177 182	1133	No Load Loss value 2,190 00 2,730 00 3 210 00	Load Loss value 5,665.00 4,920.00 4,870.00 3,105.00	Cost of Losses\$ 7,855.00 7,575.00 7,600.00 6.315.00	28,626.25 25,205.55 31,224.85	(weeks) 8 6-8 8	(inches) 49 45 50	2.200 2.300 3.420 3.120

en. Power Engineer				: 1			1		į			
repared by: Weldat Haile	A USB	ccount No.	161651									İ
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	00.149,d				1134	97.890,1	1,417.50	2,486.25	60.746,8	18	109	310606
Supply Utilities Ltd. (Cooper Power System	00.146,8	5,941,00	48.094,8	282		37.830,1						2.920 8
owsrd Industries, Inc. Supply Utilities Ltd. (Cooper Power System)	00.687,4	00'176'9 4'128'00	14.271,2 48.094,9	785 785	6111	32.870,1		2,475.00	14.028,7	01-8	GÞ	2.200
owsrd Industries, Inc. Supply Utilities Ltd. (Cooper Power System)		00'176'9 4'128'00	48.094,8	785 785	6111		37.898,1		14.028,7	01-8	GÞ	2.400
owsrd industries, Inc. Supply Utilities Ltd. (Cooper Power System)	00.781,8 00.987,4	00'176'9 4'128'00	14.271,2 48.094,9	282 282 504	6111	00.887 82.870,1	37.898,1	2,475.00	14.028,7	01-8	GÞ	2.400
owsrd Industries, Inc. Supply Utilities Ltd. (Cooper Power System)	00.687,4	00,751,8 00,037,4 00,149,8	64.382,2 ra.27r,2 a8.03a,3	282 282 504	703r	00.887 82.870,1	27.888,1 37.898,1	27,848,75 00,274,2	AS.38S.8 PA.039,7	8 01-8	97 67	2.200
ses Enterprises, Inc. (Ermco Transformers) oward Industries, Inc. O Supply Utilities Ltd. (Cooper Power System)	00.781,8 00.987,4	00,751,8 00,037,4 00,149,8	\$ xsf\w ep.382,2 rp.27r,2 p8.08p,3	282 282 504	703r	00.887 82.870,1	27.888,1 37.898,1	27,848,75 00,274,2	AS.38S.8 PA.036,7	8 01-8	97 67	2.200
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April 26, 2010 Ses Enterprises, Inc. (Ermco Transformers) ward Industries, Inc. Supply Utilities Ltd. (Cooper Power System)	00.781,8 00.987,4	00,751,8 00,037,4 00,149,8	\$ xsf\w en.382,2 in.371,2 n8.031,3	282 204 204 204 204 204 204 204	SZ.f (Sitsw) seoJ (Sitsw) seoJ	00.887 82.870,1	əulsv 220.1 27.588.1	2,648,75 2,648,75	\$,235.24 8,235.24	2000 Grd. V (weeks) 8	Vye/6930 Vo (inches) 49 49 49	% % % 700 Z % 700 Z
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